

**IPO1**

Limpet Fan Flange

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**ELTA**



# IP01 - LFLAN

## Product Overview

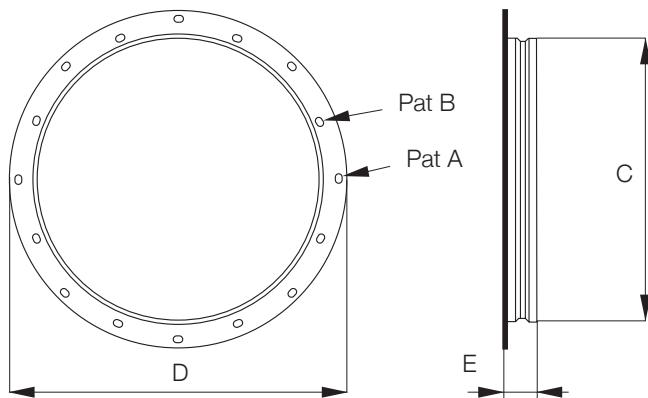
**Limpet Flanges are a unique product that has been designed to speed installation times with dual arcuated slots. The integral groove ensures a positive location for the installation of flexible connections. The one piece seamless construction is hot dip galvanised to provide longevity internally or externally.**

- Fits directly into ISO duct diameters (spiral fit)
- Unique locking groove for flexible securing
- Two standard fixing patterns included in one product (A & B)
- Seamless construction for improved joint integrity
- Hot dip galvanised material for improved longevity
- Arcuate slots for faster installation



## Dimensional Data

| Product Code        | Pat A            | Pat B            | C (mm) | D (mm) | E (mm) | Mass (Pair) (kg) |
|---------------------|------------------|------------------|--------|--------|--------|------------------|
| IP01 - LFLAN - 0250 | 8 x M6-286 PCD   | 6 x M6-286 PCD   | 248    | 297    | 40     | 1.4              |
| IP01 - LFLAN - 0315 | 8 x M8-355 PCD   |                  | 313    | 380    | 40     | 1.7              |
| IP01 - LFLAN - 0355 | 8 x M8-395 PCD   |                  | 353    | 422    | 40     | 2.0              |
| IP01 - LFLAN - 0400 | 8 x M8-450 PCD   | 12 x M8-438 PCD  | 398    | 479    | 40     | 2.2              |
| IP01 - LFLAN - 0450 | 8 x M10-500 PCD  | 12 x M8-487 PCD  | 448    | 528    | 40     | 2.4              |
| IP01 - LFLAN - 0500 | 12 x M10-560 PCD | 12 x M8-541 PCD  | 498    | 589    | 40     | 2.8              |
| IP01 - LFLAN - 0560 | 12 x M10-620 PCD | 16 x M10-605 PCD | 558    | 649    | 40     | 3.1              |
| IP01 - LFLAN - 0630 | 12 x M10-690 PCD | 16 x M10-674 PCD | 628    | 719    | 40     | 3.5              |



Dimensions are in mm.

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## Product Overview

### Materials & Finish

Limpet Flanges are manufactured from one piece of mill finish hot dip galvanised mild steel conforming to EN10327 (BS2989) including the integral flow formed spigot connection section.

**Pressure** Up to 1500 Pascals positive and negative.

**Temperature** -12° to +100°C.

**Location** Internally & externally mountable.

### Painting (Optional)

The standard EN10327 (BS2989) galvanised mild steel material can be oversprayed with polyester powder coating.

### Alternative Specification

The above specification refers to our standard, stock range. We can also supply custom materials such as 304 and 316 grade stainless steels, cold reduced (CR4) mild steel and aluminium.

### Example IP01 - LFLAN - 0315. IP01

Product group code.

**LFLAN** Product short description. **0315** Internal diameter.

### Fixing Detail

Set screws, washers and full nuts are recommended. Slots are accurate. The dimensions are centre path lengths.

| Bolt Size  | Slot Provision (mm) | Torque (mm) |
|------------|---------------------|-------------|
| <b>M6</b>  | 14 x 9              | 10          |
| <b>M8</b>  | 17 x 11             | 20          |
| <b>M10</b> | 19 x 13             | 35          |
| <b>M12</b> | 22 x 15             | 30          |

### Installation

For recommendations for the support of the fan the principles of Part Six (pages 43-46) of the HVCA DW144 standard should be followed. Always use the correct size bolts as specified in the dimensional data table above. The arcuate holes are sized to allow the metric thread sizes to be utilised, for example, for an M10 fixing, the slot is made 19mm long by 13mm wide. The dual pattern pitch circle diameters and slot sizes are produced using CNC equipment with a repeatability of 0.1mm and are therefore guaranteed to be correct. If a problem is encountered during installation please check the fan case PCD and hole sizes - do not attempt to force the holes into position. Please contact us to confirm the suitability of any fan manufacturers product.

### Cleaning & Maintenance

Should the product require routine cleaning we recommend low-pressure air blasting, vacuuming or wiping the exposed surfaces with a damp cloth. It is not unusual for "White Zinc Oxide" to develop on galvanised silencers when the zinc in the galvanising reacts electrolytically with moisture. Limpet Flanges are of a passive nature and as such require no routine maintenance or lubrication.



Tel +44 (0) 1384 275800  
Email [info@eltauuk.com](mailto:info@eltauuk.com)  
[eltauuk.com](http://eltauuk.com)

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